

Attorney Docket No. PP01635.003

PATENT

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By: Don M. Hill

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Selby et al.

Serial No.: Not Assigned

Examiner: Not Assigned

Confirmation No.: Not Assigned

Art Unit: Not Assigned

Filed: Herewith

For: HBV/HCV VIRUS-LIKE PARTICLE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97(b)**

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56,
Applicant(s) hereby submits the following information in conformance with 37 C.F.R.
§§1.97 and 1.98.

- ☐ Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08 is enclosed.
- ☒ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. 09/721,480 to which the above-identified application claims priority under 35 U.S.C. §120.
- ☐ Publication(s) _____ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to _____ application serial no. _____ and mailed on _____.

- ☐ Enclosed is a copy of a non-English publication(s) _____. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
- ☐ Enclosed is a copy of a non-English publication(s) _____. English language publication _____ (copy enclosed) claims priority from this non-English publication.
- ☐ Enclosed is an explanation of non-English publication(s) _____ for which an English translation is not available.
- ☐ Enclosed is an English translation of non-English publication(s) _____ cited in the attached Form PTO/SB/08A.
- ☐ Enclosed is a copy of pending patent Application Serial No. _____.

This Information Disclosure Statement is filed within any one of the following time periods:


- ☐ within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
- ☐ within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in this international application;
- ☒ before the mailing date of a first office action on the merits; or
- ☐ before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. §1.114.

It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: 11/17/03

Respectfully submitted,

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PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	DIV of 09/721,480
				Filing Date	Herewith
				First Named Inventor	SELBY et al.
				Group Art Unit	Not Assigned
				Examiner Name	Not Assigned
Sheet	1	of	2	Attorney Docket Number	2300-1635.10 (PP01635.003)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	A1	4,722,840		Valenzuela et al.	February 2, 1988
	A2	5,098,704		Valenzuela et al.	March 24, 1992
	A3	5,324,513		Sobczak et al.	June 28, 1994
	A4	5,792,463		Valenzuela et al.	August 11, 1998

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office ³	Number ⁴	Kind Code ⁵ (if known)		
	B1	EP	0 201 416	A1	Institut Pasteur	11-12-1986
	B2	WO	96/04301		Selby	02-1996

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08A (08-00)

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	DIV of 09/721,480
				Filing Date	Herewith
				First Named Inventor	SELBY et al.
				Group Art Unit	Not Assigned
				Examiner Name	Not Assigned
Sheet	2	of	2	Attorney Docket Number	2300-1635.10 (PP01635.003)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	C1	Delpeyroux et al., "Structural Factors Modulate the Activity of Antigenic Poliovirus Sequences Expressed on Hybrid Hepatitis B surface Antigen Particles," <i>J. Virol.</i> <u>64</u> (12):6090-6100 (1990)		
	C2	Delpeyroux et al., "Presentation and immunogenicity of the hepatitis B surface antigen and a poliovirus neutralization antigen on mixed emplt ebvelope particles", <i>J. Virol.</i> <u>62</u> (5):1836-1839 (1998)		
	C3	Inchauspé et al., "DNA Vaccination for the Induction of Immune Responses Against Hepatitis C Virus Proteins," <i>Vaccine</i> <u>15</u> (8):853-856 (1997)		
	C4	Inchauspé et al., "Immune Responses Against Hepatitis C Virus Structural Proteins Following Genetic Immunization," <i>Dev. Biol. Stand.</i> <u>92</u> :163-168 (1998)		
	C5	Lee et al., "Presentation of the hydrophilic domains of hepatitis C viral E2 envelope glycoprotein on hepatitis B surface antigen particles," <i>Journal of Medical Virology</i> <u>50</u> :145-151 (1996)		
	C6	Lee et al., "Characterization of a New Genotype II Hepatitis Delta Virus from Taiwan," <i>Journal of Medical Virology</i> <u>49</u> :145-154 (1996)		
	C7	Major et al., " DNA-based immunization with chimeric vectors for the induction of immune responses against the hepatitis C virus nucleocapsid," <i>Journal of Virology</i> <u>69</u> (9):5798-5805 (1995)		
	C8	Nakano et al., "Immunization with Plasmid DNA Encoding Hepatitis C Virus Envelope E2 Antigenic Domains Induces Antibodies Whose Immune Reactivity is Linked to the Injection Mode," <i>Journal of Virology</i> <u>71</u> (9):7101-7109 (1997)		
	C9	Valenzuela et al., "Antigen Engineering in Yeast: Synthesis and Assembly of Hybrid Hepatitis B Surface Antigen-Herpes Simplex 1 gD Particles," <i>Bio/Technology</i> <u>3</u> :323-326 (1985)		

Examiner Signature		Date Considered	
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² Applicant is to place a check mark here if English language Translation attached.